

PTO/S&A/97 (08-009)

Approved for use through 10/31/2002. OMB 0651-0031

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Application Number: 10/006,927

Filing Date: 12/3/2001

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1. Fee Transmittal
2. Response to Office Action Dated Dec. 29, 2004

Total pages transmitted: 4
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Confirmation No. 9291
MS1-885US

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PTO/SB/17 (12-04)

Approved for use through 07/31/2006, OMB 0851-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 0**Complete if Known**

Application Number	10/006,927
Filing Date	12/3/2001
First Named Inventor	Yong Rui
Examiner Name	Nakhjavan, Shervin K
Art Unit	2621
Attorney Docket No.	MS1-885US

METHOD OF PAYMENT (check all that apply)

- ☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
- ☒ Deposit Account Deposit Account Number: 12-0789 Deposit Account Name: Lee & Hayes, PLLC
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)** **Multiple Dependent Claims**

- 20 or HP = _____ x 50 = _____ **Fee (\$)** **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**

- 3 or HP = _____ x 200 = _____

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**

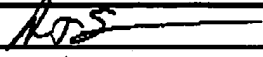
- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: _____

SUBMITTED BY

Signature		Registration No. 38318 (Attorney/Agent)	Telephone (509) 324-9256
Name (Print/Type)	Allan T. Sponseller	Date	1/18/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No.10/006,927
Filing Date December 3, 2001
Inventor Yong Rui et al.
Group Art Unit2621
ExaminerNakhjavan, Shervin K.
Attorney's Docket No. MS1-885US
Confirmation No.9291
Title: Automatic Detection and Tracking of Multiple Individuals Using Multiple
Cues

RESPONSE TO OFFICE ACTION DATED DECEMBER 29, 2004

To: Commissioner for Patents,
PO Box 1450
Alexandria, Virginia 22313-1450

JAN 18 2005

From: Allan T. Sponseller (Tel. 509-324-9256 x215; Fax 509-323-8979)
Customer No. 22801

REMARKS

Applicant respectfully requests reconsideration and allowance of the subject application. Claims 1-71 are pending in this application.

The claims are subjected to a restriction requirement under 35 U.S.C. §121 as containing five distinct inventions:

- I. Claims 1-30 and 58-60, drawn to tracking of a face in a video sequence, classified in class 382, subclass 103.
- II. Claims 31-36, drawn to tracking of a region based on a decision tree, classified in class 382, subclass 226.
- III. Claims 37-43, drawn to classification of objects in a frame of video, classified in class 382, subclass 224.

IV. Claims 44-46, drawn to motion detection, classified in class 382, subclass 107.

V. Claims 47-57 and 61-71, drawn to contour enhancement in an image, classified in class 382, subclass 266.

Applicant hereby elects to prosecute claims 1-30 and 58-60 (Group I).

Applicant respectfully requests reconsideration and issuance of the subject application. Should any matter in this case remain unresolved, the undersigned attorney respectfully requests a telephone conference with the Examiner to resolve any such outstanding matter.

Respectfully Submitted,

Date: 1/18/05

By: 

Allan T. Sponseller
Reg. No. 38,318
(509) 324-9256